

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	801	(priority near3 (type set)).ab,ti.	US-PGPUB; USPAT	OR	ON	2007/08/05 10:03
L2	203	priority with deadline with task	US-PGPUB; USPAT	OR	ON	2007/08/05 10:04
L3	3	1 and 2	US-PGPUB; USPAT	OR	ON	2007/08/05 10:04
L4	22845951	@ad<"20020726"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:08
L6	1	(US-20030172104-\$).did.	US-PGPUB	OR	OFF	2007/08/05 10:07
L7	0	(US-20030172104-\$).did. and tcb	US-PGPUB	OR	OFF	2007/08/05 10:08
L8	6399	(task with (id identifier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:08
L9	35760	priority with (task process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:09
L10	1994	deadline with (task process priority)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:09
L11	94	8 and 9 and 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:09
L12	32	4 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:10

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L13	2	12 and (tcb dcb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:11
L14	2064	priority with hierarchy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:11
L15	2	12 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:13
L16	1956	(multiple plurality) with priority with type	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:13
L17	1	12 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:13
L18	271	((multiple plurality) with priority with type).ab,ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:15
L19	171	4 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:14
L20	46	9 and 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:14

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L21	46	20 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:14
L22	75	((multiple plurality) with (priority near2 type)).ab,ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:15
L23	12	9 and 22 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 10:16
L24	1	("20040054998").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/05 10:23
L25	1	("7155716").PN.	USPAT	OR	OFF	2007/08/05 11:15
L26	1	25 and (stor\$4 memory)	USPAT	OR	OFF	2007/08/05 11:17
L27	3	tcb with priority with (task adj (id identifier))	US-PGPUB; USPAT	OR	ON	2007/08/05 11:17
L28	2	4 and 27	US-PGPUB; USPAT	OR	ON	2007/08/05 11:45
L29	21	second adj type adj priority	US-PGPUB; USPAT	OR	ON	2007/08/05 11:24
L30	13	4 and 29	US-PGPUB; USPAT	OR	ON	2007/08/05 11:24
L31	30	tcb and (((tcb memory) near3 (block position)) with priority)	US-PGPUB; USPAT	OR	ON	2007/08/05 11:46
L32	25	4 and 31	US-PGPUB; USPAT	OR	ON	2007/08/05 11:47
L33	24	32 and task	US-PGPUB; USPAT	OR	ON	2007/08/05 12:12
L34	2085	writ\$4 with (memory position tcb) with priority	US-PGPUB; USPAT	OR	ON	2007/08/05 11:56
L35	13	34 and tcb	US-PGPUB; USPAT	OR	ON	2007/08/05 12:05
L36	9	4 and 35	US-PGPUB; USPAT	OR	ON	2007/08/05 11:57
L37	129	tcb and dcb	US-PGPUB; USPAT	OR	ON	2007/08/05 12:12
L38	84	37 and 4	US-PGPUB; USPAT	OR	ON	2007/08/05 12:13

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L39	5	38 and (priority with task)	US-PGPUB; USPAT	OR	ON	2007/08/05 12:16
L40	0	39 and deadline	US-PGPUB; USPAT	OR	ON	2007/08/05 12:13
L41	1	(priority with task).ab.ti. and tcb and (priority with writ\$4 with position)	US-PGPUB; USPAT	OR	ON	2007/08/05 12:16
L42	4	(priority with task).ab.ti. and tcb and (priority with writ\$4 with (memory block position))	US-PGPUB; USPAT	OR	ON	2007/08/05 12:17
L43	3	42 and 4	US-PGPUB; USPAT	OR	ON	2007/08/05 12:21
L44	49	(priority near3 tcb)	US-PGPUB; USPAT	OR	ON	2007/08/05 12:21
L45	32	(priority with task) and 44 and 4	US-PGPUB; USPAT	OR	ON	2007/08/05 12:31
L46	1	("6684280").PN.	USPAT	OR	OFF	2007/08/05 13:05
L47	1	46 and (receiv\$4 with task with (id identifier))	USPAT	OR	OFF	2007/08/05 13:07
L48	1	46 and (execut\$4 with task)	USPAT	OR	ON	2007/08/05 13:08
L49	1	46 and ((execut\$4 with task) same (id identifier))	USPAT	OR	ON	2007/08/05 13:10
L50	1	46 and ((execut\$4 with task) same priority)	USPAT	OR	ON	2007/08/05 13:44
L51	0	46 and (stor\$4 with (id identifier))	USPAT	OR	ON	2007/08/05 13:44
L52	0	46 and ((stor\$4 writ\$4) with (id identifier))	USPAT	OR	ON	2007/08/05 13:45
L53	0	46 and ((id identifier) with tcb)	USPAT	OR	ON	2007/08/05 13:45
L54	1	46 and tcb	USPAT	OR	ON	2007/08/05 13:49
L55	32	tcb with ((id identification identifier) near3 task)	US-PGPUB; USPAT	OR	ON	2007/08/05 13:55
L56	5	tcb with ((id identification identifier) near3 task) with priority	US-PGPUB; USPAT	OR	ON	2007/08/05 13:50
L57	4	4 and 56	US-PGPUB; USPAT	OR	ON	2007/08/05 13:54
L58	388	tcb with (link address)	US-PGPUB; USPAT	OR	ON	2007/08/05 13:57
L59	76	58 and (task with priority)	US-PGPUB; USPAT	OR	ON	2007/08/05 13:57
L60	71	4 and 59	US-PGPUB; USPAT	OR	ON	2007/08/05 13:55
L61	29	(tcb with (id identification identifier)) and 60	US-PGPUB; USPAT	OR	ON	2007/08/05 13:55

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L62	27	tcb with (link and address)	US-PGPUB; USPAT	OR	ON	2007/08/05 13:59
L63	5	62 and (task with priority)	US-PGPUB; USPAT	OR	ON	2007/08/05 14:00
L64	4	4 and 63	US-PGPUB; USPAT	OR	ON	2007/08/05 13:58
L65	1	(tcb with (link and address)) same priority	US-PGPUB; USPAT	OR	ON	2007/08/05 14:00
L66	32	(tcb with (link address)) same priority	US-PGPUB; USPAT	OR	ON	2007/08/05 14:00
L67	29	66 and (task with priority)	US-PGPUB; USPAT	OR	ON	2007/08/05 14:00
L68	27	67 and 4	US-PGPUB; USPAT	OR	ON	2007/08/05 14:21
L69	19	68 and (task with (id identifier identification))	US-PGPUB; USPAT	OR	ON	2007/08/05 14:21
L70	1	(US-20040054998-\$).did.	US-PGPUB	OR	OFF	2007/08/05 14:42
L71	1	(US-20040054998-\$).did. and (media medium wave carrier)	US-PGPUB	OR	ON	2007/08/05 14:43
L72	1	(US-20020065867-\$).did.	US-PGPUB	OR	OFF	2007/08/05 14:44
L73	1	(US-20020065867-\$).did. and (medium program method process)	US-PGPUB	OR	OFF	2007/08/05 14:46
L74	1	(US-20030172104-\$).did.	US-PGPUB	OR	OFF	2007/08/05 14:46
L75	1	74 and (medium program method process)	US-PGPUB	OR	OFF	2007/08/05 15:23
L76	297	(kunihiro with hayashi).inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/05 15:24
L77	3	76 and (priority and task).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/05 15:26
L78	1	("7086057").PN.	USPAT	OR	OFF	2007/08/05 15:27
L79	0	"11464864" .ap.	US-PGPUB; USPAT	OR	OFF	2007/08/05 15:28
S1	79	(priorities with (task process)).ab,ti.	USPAT	OR	OFF	2007/08/05 10:03

## EAST Search History

S4	86932	((id identifier tcb dcb) with (task process))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:30
S5	6126	(priorities with (task process)).ab,ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:39
S6	27236	(task process) with (deadline (complet\$4 near3 time))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:32
S7	389	(type near2 priority) with (task process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:33
S8	307171	(mobile cell) with (phone telephone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:33
S9	132	wcet (worst\$1case with execution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:34
S10	22844912	@ad<"20020726"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:34
S11	1938	718/100.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:34

## EAST Search History

S12	1527	718/102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:34
S13	621	718/103.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:35
S14	3551	S11 S12 S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:35
S15	1	S5 and S7 and S6 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:35
S16	1	S7 and S6 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:36
S17	5	S1 and S4 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:36
S18	5	S10 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:36
S19	4	S14 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:36

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S20	50	S5 and tcb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:39
S21	9	S10 and S14 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:42
S22	389	(priority near2 type) with (task process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:52
S23	3	S22 and tcb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:46
S24	2	S10 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:43
S25	290	(second adj priority) with (task process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:46
S26	2	S25 and tcb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:46
S27	1	S10 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:46



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S28	157	(priority adj type) same (task process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:52
S29	0	S28 and tcb	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:52
S30	70	(priority adj type) with (task process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:53
S31	36	S10 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:57
S32	0	S31 and deadline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:57
S33	0	S31 and wcet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:57
S34	13	priority with (deadline and hierarchy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:58
S35	4	S10 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:59

## EAST Search History

S36	3	(task with priority) and deadline and tcb and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 23:59
S37	1	(US-20030172104-\$.did.	US-PGPUB	OR	OFF	2007/08/04 22:44
S38	1	("7155716").PN.	USPAT	OR	OFF	2007/08/04 22:45
S39	1	S38 and (priority with type)	USPAT	OR	ON	2007/08/04 23:07
S40	704	(priority with deadline)	US-PGPUB; USPAT	OR	ON	2007/08/04 23:10
S41	27287	(task process) with (deadline (complet\$4 near3 time))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 23:10
S42	377	S40 and S41	US-PGPUB; USPAT	OR	ON	2007/08/04 23:11
S43	22845224	@ad<"20020726"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/04 23:11
S44	202	S42 and S43	US-PGPUB; USPAT	OR	ON	2007/08/04 23:11
S45	19	S44 and (task with (id identifier))	US-PGPUB; USPAT	OR	ON	2007/08/04 23:15
S46	12	S45 and priorities	US-PGPUB; USPAT	OR	OFF	2007/08/04 23:15
S47	4	S46 and (wcet (worst\$1case))	US-PGPUB; USPAT	OR	OFF	2007/08/04 23:29
S48	10647	set adj3 priority	US-PGPUB; USPAT	OR	ON	2007/08/04 23:29


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- [#2](#) ((tcb and deadline and task and priority)<in>metadata)
- [#3](#) ((task and priority )<in>metadata)
- [#4](#) ((~priority type~ and task)<in>metadata)
- [#5](#) ((task and deadline and priority)<in>metadata)
- [#6](#) ((~task id~ and priority and deadline)<in>metadata)
- [#7](#) task and wcet and priority
- [#8](#) ( ( task and priority<in>ab ) <and>deadline or wcet or tcb)
- [#9](#) ( ( task and priority<in>ab ) <and>deadline or wcet or tcb)
- [#10](#) ( ( task and deadline and priority<in>ab ) <and>(id or identifier or wcet))
- [#11](#) ( ( task and deadline and priority<in>ab ) <and>(id or identifier or wcet))
- [#12](#) tcb and dcb and priority and task

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Result # 1    Relevance:

**Fluctuating Control Processing to Schedule Tasks on a Parallel Proces**

1973-09-01

IPCOM000079768D

English

The Fluctuating Control Principle is based on the assumption that a hierarchical structure is imposed on a program: Essentially, the structure of a program is considered to be a tree describing one syntactic unit.

Result # 2    Relevance:

**Enhanced Error Recovery in a Virtually Addressed System Employing a Reserve of Real Units**

1975-07-01

IPCOM000083653D

English

Common memory apparatus is shared between a plurality of host CPU's, for example, CPU-X and CPU-Y. Each host has its own virtual unit address space which may vary in size from CPU to CPU. Additionally, each CPU has a name for data sets, or virtual volumes, which are ...

Result # 3    Relevance:

**Computer System**

1963-07-01

IPCOM000096552D

English

This computer system is organized to reduce memory access time, and also to reduce the times information must be put in and taken out of memory in order to process data. The system includes a plurality of memory units 1, 2 and 3 which have independent access ...

Result # 4    Relevance:

**Multiprocessing System Memory Access Queue and Scheduling Apparatus**

1992-05-01

IPCOM000108323D

English

This article provides a fast and efficient scheme to schedule processor memory request in a multiprocessing system for access to a central memory directory and multiprocessed inter-processor memory. This scheme provides the capability to handle signal memory accesses ...

Result # 5    Relevance:

**Swapping Memory using Complete Programs**

1995-12-01

IPCOM000117105D

English

A method to reduce thrashing while running large programs is disclosed. The program is divided into one unit, even if it spans multiple segments in memory.

Result # 6    Relevance:

**Method of Scheduling of Processing and Response Time**

1977-03-01

IPCOM000087748D

English

A task is the performance of some function through execution of a sequence of instructions. The performance of instructions is called processing (P). The units of P are normalized instructions. A normalized instruction represents some amount of CPU time. It is said that P is ...

Result # 7    Relevance:

**System Organization for Execution of Parallel Operations in Algebraic**

1964-05-01

IPCOM000095684D

English

The system is a generalized machine organization for the execution of parallel operation statements. There are included an indefinite number of processors PROC 1... PROC N and an indefinite number of core memory units M1... MK as well as a Bus system ...

Result # 8

Relevance: **Dynamic Memory for Program Staging**


1971-04-01

IPCOM000074389D

English

This system provides hardware assisted program staging (I/O initiated rollin/rollout) to memory subsystem. The basic system configuration is seen in drawing A. Central processor connected via bus 3 to main storage 5. The main storage is also connected ...

Result # 9

Relevance: **Execution Unit Synchronization and Cancel**

1982-10-01

IPCOM000050373D

English

This article describes a method for interrupting program execution on a cooperative (non-preemptive) basis such that a suspended execution unit may be terminated even though the suspended unit is awaiting a pending event. This is done in such a manner that a ...

Result # 10

Relevance: **Intrinsically Actuated Real Unit Operations for Virtual Unit Addressing**

1975-04-01

IPCOM000083121D

English

Common memory apparatus shared by a plurality of host CPU's, each host having an independent set of virtual address spaces, require memory-actuated operations on real disk type memory supporting the independent virtual addressing. Each host has independently ...

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**Search** Provided is a program execution apparatus that appropriately determines an execution sequence of tasks each given a target completion time before which execution must be completed, and executes the tasks according to the determined execution sequence. The apparatus includes: a storing unit that stores an identifier of each task and a plurality of types of priorities having a hierarchical relationship among the tasks; a receiving unit that receives an identifier of a new task, an identifier of a task to be completed, and types of priorities set for the new task; and a writing unit that writes the received identifier of a new task and the received types of priorities in the storing unit determined based upon the received priorities.

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